SCHULTE ROTH & ZABEL LLP

919 Third Avenue New York, NY 10022 (212) 756-2000 fax (212) 599-5955

10WW.srz.com

RECEIVED

OCT 1 9 2004

Technology Center 2600

FACSIMILE PLEASE DISTRIBUTE TO ALL LISTED PERSONS

То	Company	Fax No.	Confirmation No.
Board of Patent Appeals	U.S. Patent and Trademark	(703) 308-7952	
and Interferences	Office		7004
}			1 OCT
			Ē
			σ
, ***			Š
,			29

FROM: Reine H. Glanz DATE: October 14, 2004

DIRECT DIAL: (212) 756-2335 Number of Pages: 17

FILE No.: 861975-0089 (Including Cover Page)

Additional Message:

9739569.1

THE INFORMATION CONTAINED IN THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE. AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

Under the Paperwork Reduction	Act of 1995, no persons are	required to re	U.S. Patant ar espond to a collection o	nd Tradema	ed for use through 10/31/2002. OMB 0651-0031 ink Office: U.S. DEPARTMENT OF COMMERCE in unless it displays a valid OMB control number.
			Application Nur	mber	09/458,858
	NSMITTA	L	Filing Date		December 10, 1999
	FORM		First Named Inv	ventor	Jamin Fan Fan FIVED
(to be used for all o	correspondence after initi	ial filing)	Group Art Unit		2674 OCT 1 9 2004
			Examiner Name		X. Wu Technology Center 2600
Total Number of P	Pages in This Submission		Attorney Docket	Number	861975-0089 37 Santol 2000
		ENCL	OSURES (check a	il that apply)
Fee Transmittal Form		Assignm (for an A	ent Papers Application)		After Allowance Communication to Group
Fee Attached		Drawing	(5)		Appeal Communication to Board of Appeals and Interferences
Amendment / Reply		Lícensin	g-related Papers		Appeal Communication to Group (Appeal Notice, Brist Reply Brist)
After Final	<u> </u>	Petition	to Convert to a][Proprietary Information
Affidavits/declar	ation(s)	Provision	nal Application Attorney, Revocation	[Status Letter
Extension of Time Requ	lest	Change Address	of Correspondence		Other Enclosure(s) (please identify below):
Express Abandonment	Request	Terminal	Disclaimer		
		Request	for Refund		
Information Disclosure		CD, Nun	nber of CD(s)		
Certified Copy of Priority Document(s)		narks			
Response to Missing Pa Incomplete Application	irts/		,		
Response to Miss under 37 CFR 1.5	52 or 1 53 applie	cation, the (Commissioner is her	reby autho	cient fee to prevent abandonment of this prized to charge any fee due, or credit
	алу о	verpaymen	t, to Deposit Accour	nt No. 50-(0675 - Order No. 861975-0089.
	SIGNATURE O	F APPLIC	ANT, ATTORNE	Y, OR AC	SENT
Firm Re	eine H. Glanz, Reg.	No. 46,72	28		
Individual name Sch	nulte Roth & Zabel, LLF	•			
Signature	Ken S	lanz		<u>.</u>	
Date Apr	ril 30, 2004				
	CE	RTIFICA	TE OF MAILING	}	
I nereby certify that this correspon postage as first class mail in an envelop P.O. Box 1450, Alexandria, VA 22313-	pe addressed to: Commissio	es listed ab oner for Pater	ove are being depo- nts, Mail Stop Appeal E	sited with Brief-Patent	the U.S. Postal Service with sufficient April 30, 2004
Typed or printed name	Sarah Schlie				
Signature	Sarch	Sei	lli	Date	April 30, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents. Washington, DC 20231.

I hereby certify under 37 CFR 1.10 that this

correspondence and enumerated documents is being deposited with the United States Postal Service as "First Class Mail Post Office to Addressee" with

sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop

Appeal Brief - Patents, PO Box 1450, Alexandria, VA

Karah Schlie

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

Serial No.:

09/458,858

Assignee:

NMB, U.S.A., INC.

Title:

INTEGRATED USB INPUT

DEVICE

Appellant:

Jamin Pandana

Filed:

December 10, 1999

Examiner:

X. Wu

RECEIVED

22313-1450:

Name: Sarah Schlie

Group Art Unit:

2674

OCT 1 9 2004

Docket No.:

861975/0089

Technology Center 2600

RECEIVED

OCT 1.5 2004

BOARD OF PATENT APPEALS

AND INTERFERENCES

Commissioner for Patents Mail Stop Appeal Brief – Patents P.O. Box 1450 Alexandria, VA 22313-1450

REPLY BRIEF (UNDER 37 C.F.R. 1.193)

Appellant replies to the Examiner's Answer dated January 1,2004.

REPLY TO EXAMINER'S RESPONSE TO ARGUMENT

A. CLAIMS 1, 2 AND 6-13 ARE PATENTABLE OVER POISNER

The USB Controller (32) and AT KB-Controller (30) of Poisner resideS inside the PC, the USB Controller (32) converts all USB signals into PCI Bus, and the AT KB Controller converts the AT/PS2 signals to ISA Bus. Both the ISA or PCI are disposed in the PC and are not in the Keyboard. Furthermore the USB Controller (32) not only to converts the USB signals from Keyboard device, but also converts the USB signals from all other USB devices that will be

Serial No.: 09/458,858 Atty Dkt. No. 861975/0089

plugged into the same USB Ports later after the USB Keyboard Device is unplugged. Other USB devices can be a USB Printer, USB Memory Card as Storage Device, USB Audio Device, USB Camera Device, USB Smart Card Device, USB Finger Print Device, etc. So, the USB Controller (32) is a Generic USB Controller to convert all the USB signals from different USB devices into PCI Bus.

The USB Low Speed MCU (270) in the present invention is different in that it only converts the keyboard key-actuations, mouse movements/clicker actuation and keyboard LED indications definition to communicate with the PC through USB signals. MCU (270) can not and will not be properly worked with the PCI Bus or other Peripheral USB devices like USB Printer, USB Memory Card as Storage Device, USB Audio Device, USB Camera Device, USB Smart Card Device, USB Finger Print Device etc.

Therefore Poisner's USB Controller (32) and the present invention USB Low Speed MCU Controller (270) are different. Poisner USB Controller (32) has to be placed into the PC and can not be outside the PC, it can be inside the PC as an add-on Card on PCI Bus Connectors. If Poisner USB Controller (32) is placed independently outside the PC, then the Poisner USB Controller (32) is an PCI Bus Device to the PC perspective, or we can call them a "USB to PCP" dongle device.

Furthermore, Poisner USB Controller (32) can not be placed into other USB Peripheral Devices, such as USB Keyboard Device, USB Pointing Device, USB Printer, USB Memory Card as Storage Device. USB Audio Device, USB Camera Device, USB Smart Card Device, USB Finger Print Device, etc. If the Poisner USB Controller (32) is put into USB Peripheral Devices such as USB keyboard Device, USB Pointing Device, etc., then these USB Peripheral

Serial No.: 09/458,858 Aπy Dkt. No. 861975/0089

Devices can not be called "USB devices", instead, they are "PCI Bus Device". Figure 1 of Poisner shows that the USB Controller (32) is directly connected to PCI Bus.

B. CLAIMS 3-5 ARE PATENTABLE OVER POSINER IN VIEW OF BRENDZEL

Column 2, lines 54-59 of Brendzel teach that the mouse 16 uses a wired or wireless communication links, for wireless link, infrared (IR) and radio frequency (RF) to communicate with the Network 22 and Computer 10 in the art of telephone communications purposes, which is bi-direction communication between mouse and network, and between mouse and computer.

Column 4. lines 36-43 teach mouse 16 used in a conductor to communicate with Computer 10.

Although Figure 1 seems like a mouse 16 wire pass through the keyboard 14, but there is no teaching states that, with wired or wireless links, that the mouse 16 information will pass through keyboard 14, and have keyboard 14 to transmit the mouse information to Computer 10.

Keyboard 14 is only described once on Col.1 line 62, to describe the scenario of Fig. 1. where keyboard 14 communicates with Computer 10, and Column 1, line 67 – Column 2, line 1 states that the mouse 16 communicates with computer 10 using a conductor.

Brendzel teaches that all wired and wireless communication between Mouse 16 and Computer 10 are directly communicated and do not use the microprocessor of other devices to interface the Mouse 16 information to Computer 10.

One embodiment of the present invention shows the Pointing Device using a wireless method, which is infrared (IR) or radio frequency (RF) to communicate with Keyboard in the art of transmitting the X-Y movements and clicker switch information to the Keyboard. The wireless is one direction of communication, from mouse to keyboard. The Mouse contains a wireless transmitter, and the wireless Receiver is embedded in the keyboard to interface to one

FROM 12125935955 SCHULTE ROTH & ZABEL

Serial No.: 09/458,858 Atty Dkt: No. 861975/0089

USB Low Speed MCU (270), which also interfaces with keyboard key matrix input to communicate with PC.

C. CLAIMS 1, 2 AND 6-13 ARE PATENTABLE OVER POISNER IN VIEW OF DUNCAN

Furthermore, Figure 4 show in Duncan has an interface 23 sending motion data generated to Universal Serial Bus Interface 24, and Interface 26 forwards the keystroke data to Universal Serial Bus Interface 24. The present invention is that both keyboard and pointing device raw data are directly interfaced to USB Low Speed MCU (270) without going through other interfaces for data conversion before the Signals/data reach the USB Controller. The present invention discloses that the keyboard and pointing device use one Interface to reduce costs instead of more than one Interface as Duncan claims.

CONCLUSION

For the foregoing reasons, it is respectfully submitted that the Rejections of Claims 1-13 should be reversed.

Respectfully submitted,

SCHULTE ROTH & ZABEL LLP Attorneys for Appellants 919 Third Avenue New York, New York 10022

By:

Reine H. Glan

Reg. No. 46.728

Dated: April 30, 2004

New York, New York

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

Serial No.:

09/458,858

Assignee:

MINEBEA CO., LTD.

Title:

INTEGRATED USB INPUT

DEVICE

Appellant:

Jamin Pandana

Filed:

December 10, 1999

Examiner:

X. Wu

Group Art Unit:

2674

Docket No.:

861975/0089

Appeal No.

, Jan

9739215.1

١,

2004-1422

Commissioner for Patents Mail Stop Appeal Briefs - Patents P.O. Box 1450 Alexandria, VA 22313-1450

I hereby certify that this correspondence or, if this paper is a transmittal letter, every other paper or fee referred to thorain, is being deposited electronically. Via facsimile at (703) 308-7952 to: Board of Patent Appeals and Interferences United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on

reh Schlie

Date: October 14, 2004

Name: Sarah Schlie

RECEIVED

OCT 1 9 2004

Technology Center 2600

COMMUNICATION

Appellant received a Remand to Examiner dated September 27, 2004 stating that there is no record that the Reply Brief filed May 3, 2004 was considered or acted on. The Remand then states that the Reply Brief was filed May 3, 2003 with a certificate of mailing dated April 30, 2004 and that the Reply should have been filed no later than March 30, 2004.

On March 30, 2004, two One-Month Extensions of Time were filed with the Board of Patent Appeals and Interferences: (i) one extension was for filing a Request for Oral Hearing which Appellant decided not to file; and (ii) the second extension was for filing a Response to Examiner's Answer mailed January 30, 2004 thereby extending the reply period from March 30, Serial No.: 09/458,858 Atty Dkt. No. 861975/0089

2004 to April 30, 2004. Accordingly, Appellant's Reply Brief was timely filed on April 30, 2004. Attached are copies of the two One-Month Extensions of Time along with copies of the postcard and checks (each for \$110). Also attached is a copy of the Reply Brief dated April 30, 2004 along with a copy of the postcard and a copy of a check in the amount of \$330.

Respectfully submitted,

SCHULTE ROTH & ZABEL LLP Attorneys for Appellant 919 Third Avenue New York, New York, 10022

By

Reine H. Glanz

Reg. No. 46,728

Dated: October 14, 2004 New York, New York

· 'n

RECEIVED

OCT 1 9 2004

Technology Center 2600

PAT	Orney/Assi ent Applica intors:	ATION FOR: Jamin Pan	integrated U	OSTCARD (TO BE FILE SB Input Device	ED WITH A RES	SPONSE) DOCKET NO.	#61575-D089	
	Polition for E Doctaration Revocation a Translation	adension of Tir and Power of A arrected Filing	OWING HAS BEEN I ass or Regular) ne itorney	() () () ()	Appeal Si Formal Or Terminal (Authorizat Check in u	ON THE DATE ST Priority Document tel. Filing Fee S awings: Disclamer:	DATE MAILED: TAMPED HEREON, No. of Sheets Fee posit Account 50-06: 2 for \$110.00/ea	75
	mormation Di mendment Ti mendment Ti lissing Parts (sue Fee Tran Change	sciosure State espo-se: ransmitai of Application		Form PTO 1. Petition for Entertain o Fiting Fige \$ Circler Fee \$	449 with	2 One -Month Extension/Tim Referen	ne kies	110.00/esch

FROM 12125935955 SCHULTE ROTH & ZABEL (THU) 10. 14' 04 12:33/ST. 12:31/NO. 4261743862 P 5 03/25/04 · 339508 110.00 DETACH STATEMENT BEFORE DEPOSITING CHECK THIS DOCUMENT CONTAINS SECURITY FEATURES - SEE BACK FOR DETAILS 094933 SCHULTE ROTH & ZABEL LLP Citibank, N.A. 153 E. 53rd Street New York, NY 10043 ATTORNEY BUSINESS ACCOUNT 919 Third Avenue New York, NY 10022 (212) 756-2000 1-8/210 03/26/2004 Private Banking Division One Hundred 7em & no/100 Dallars 110.00 TO THE ORDER OF Commissioner of Patents 861975-0089 1º0949331º 40210000896 400 43346802F

FROM 12125935955 SCHULTE ROTH & ZABEL (THU) 10.14' 04 12:33/ST. 12:31/NO. 4261743862 P 6

OBSCRIPTION (212) 756-2000

OBSCRIPTION ANOUNT

DETACH STATEMENT BEFORE DEPOSITING CHECK

SCHULTE ROTH & ZABEL LLP

P THIS DOCUMENT CONTAINS SECURITY FEATURES - SEE BACK F

ATTORNEY BUSINESS ACCOUNT 919 Third Avenue New York, NY 10022 (212) 756-2000

03/30/2004

Citibank, N.A. 153 E. 53rd Street New York, NY 10043 Private Banking Division 095073

1-8/210

PAY One Hundred Ten & no/100 Dollars

\$******110.00

TO THE ORDER OF 3

Commissioner of Patents

861975-0089

#095073# #021000089# 400 43346802#

I hereby certify that this paper or fee is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, Mail Stop

Appeal Briefs - Patents, PO Box 1450, Alexandria, VA

Sarah Schlie

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

Serial No.:

Assignee:

09/458,858

MINEBEA CO., LTD.

Title:

INTEGRATED USB INPUT

DEVICE

Applicant:

Jamin Pandana

Filed:

December 10, 1999

Examiner:

X. Wu

Group Art Unit:

2674

Docket No.:

861975/0089

RECEIVED

OCT 1 9 2004

22313-1450, on:

Date: March 30

Technology Center 2600

RECEIVED

OCT 1 5 2004

BOARD OF PATENT APPEALS

AND INTERFERENCES

Commissioner for Patents
Mail Stop Appeal Briefs - Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION FOR A ONE-MONTH EXTENSION OF TIME

Sir:

Applicants hereby request a one-month extension of time in connection with the above-identified application for filing a Request for Oral Hearing. A Request for Oral Hearing was originally due March 30, 2004, and the time for the request is hereby extended to April 30, 2004. A check is enclosed for \$110.00 to cover the one-month extension of time fee for a large entity.

The extension is requested due to the fact that the Examiner's Answer was mailed to Applicant's previous firm, Amster Rothstein & Ebenstein, thereby delaying delivery to Applicant's present firm, Schulte Roth & Zabel, by one month. As stated under 37 C.F.R. Rule 1.136(b), the extension of time is hereby requested for sufficient cause and for a reasonable time.

Authorization is given hereby to charge any deficiency or credit any overpayment in the enclosed fee, or charge any additional extension of time fees necessary to preserve the pendency of the subject application, to Deposit Account No. 500675, Order No. 861975-0089. Additionally, any additional extensions of time required to maintain the pendency of the subject application are hereby respectfully requested.

Respectfully submitted,

SCHULTE ROTH & ZABEL LLP

Attorneys for Applicants 919 Third Avenue

New York, New York 10022

(212) 756-2000

Reine H. Glanz Reg. No. 46,728

Dated: March 30, 2004

New York, New York

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

Serial No.:

09/458,858

Assignee:

MINEBEA CO., LTD.,

Title:

INTEGRATED USB INPUT

DEVICE

Applicant!

Jamin Pandana

Filed:

December 10, 1999

Examiner:

X. Wu

Group Art Unit:

2674

Docket No.:

861975/0089

Commissioner for Patents Mail Stop Appeal Briefs - Patents P.O. Box 1450 Alexandria, VA 22313-1450

I hereby certify that this paper or fee is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, Mail Stop Appeal Briefs - Paterns, PO Box 1450. Alexandria, VA 22313-1450, on:

Date: March 302 2004

BOARD OF PATENT APPEAL AND INTERFERENCES

Signature; Sarah Schlie

RECEIVED

OCT 1 9 2004

Technology Center 2600

PETITION FOR A ONE-MONTH EXTENSION OF TIME

Sir:

Applicants hereby request a one-month extension of time in connection with the aboveidentified application for filing a Response to Examiner's Answer mailed January 30, 2004. A response to the Examiner's Answer was originally due March 30, 2004, and the time for response is hereby extended to April 30, 2004. A check is enclosed for \$110.00 to cover the one-month extension of time fee for a large entity.

The extension is requested due to the fact that the Examiner's Answer was mailed to Applicant's previous firm. Amster Rothstein & Ebenstein, thereby delaying delivery to Applicant's present firm, Schulte Roth & Zabel, by one month. As stated under 37 C.F.R. Rule 1.136(b), the extension of time is hereby requested for sufficient cause and for a reasonable time.

Authorization is given hereby to charge any deficiency or credit any overpayment in the enclosed fee, or charge any additional extension of time fees necessary to preserve the pendency of the subject application, to Deposit Account No. 500675, Order No. 861975-0089. Additionally, any additional extensions of time required to maintain the pendency of the subject application are hereby respectfully requested.

Respectfully submitted,

SCHULTE ROTH & ZABEL LLP Attorneys for Applicants 919 Third Avenue New York, New York 10022 (212) 756-2000

By:

Reine H. Glanz

Reg. No. 46,728

Dated: March 30, 2004

New York, New York

RECEIVED

OCT 1 9 2004

Technology Center 2600

ATTORNEY/ASSIS			FILED WITH A RESPONSE)		
	lon Por: Integral Jamin Pendana	ed USB Input Device	Dock	ET No.: 861975	-0089
SERIAL NO.: C A Certificate of M Pairition for Edit Declaration Power of Anom Translation Recordation Assignment + F Information Disc Amendment Tran Missing Parts of Notice of Appaal:	19/458,858 THE FOI LOWING HAS I Lailing (Express or Regularism) of Time extend Filling Hacelling research for the Statement: Per Statement: Application Transmuttal Filling Foo S	FILING DATE: DEEN RECEIVED IN THE U.S. O P C AY 0 3 2064 Form PTO Petition for Extensis, Filing Fee S	Petition:	DATE MAILEO: DATE STAMPED MERE OCUMENI FOO \$ No. of Sheets	April 30, 2004 CON;
Other Asply Brid	ninal, Publication and Son If to Examiner's Answer	Copies: Order Fee \$			
9640361.1					

DATE	INVOICE NO.	DESCRIPTI	4'04 12:35/ST.12:3		AMOUNT
/30/04 .	334/8/			s	330.00
			•		
				}	
			•		•
					•
	,			·	

SCHULTE ROTH & ZABEL LLP
ATTORNEY BUSINESS ACCOUNT
919 Third Avenue
New York, NY 10022
(212) 756-2000

Citibank, N.A. 153 E. 53rd Street New York, NY 10043 Private Banking Division

096719

1-8/210

Three Hundred Thirty & no/100 Dollars

TO THE ORDER OF

Commissioner of Patents

861975-0089

#096719# #021000089# 400 43346802#